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DESIGNED BY  
PAREN, INC.

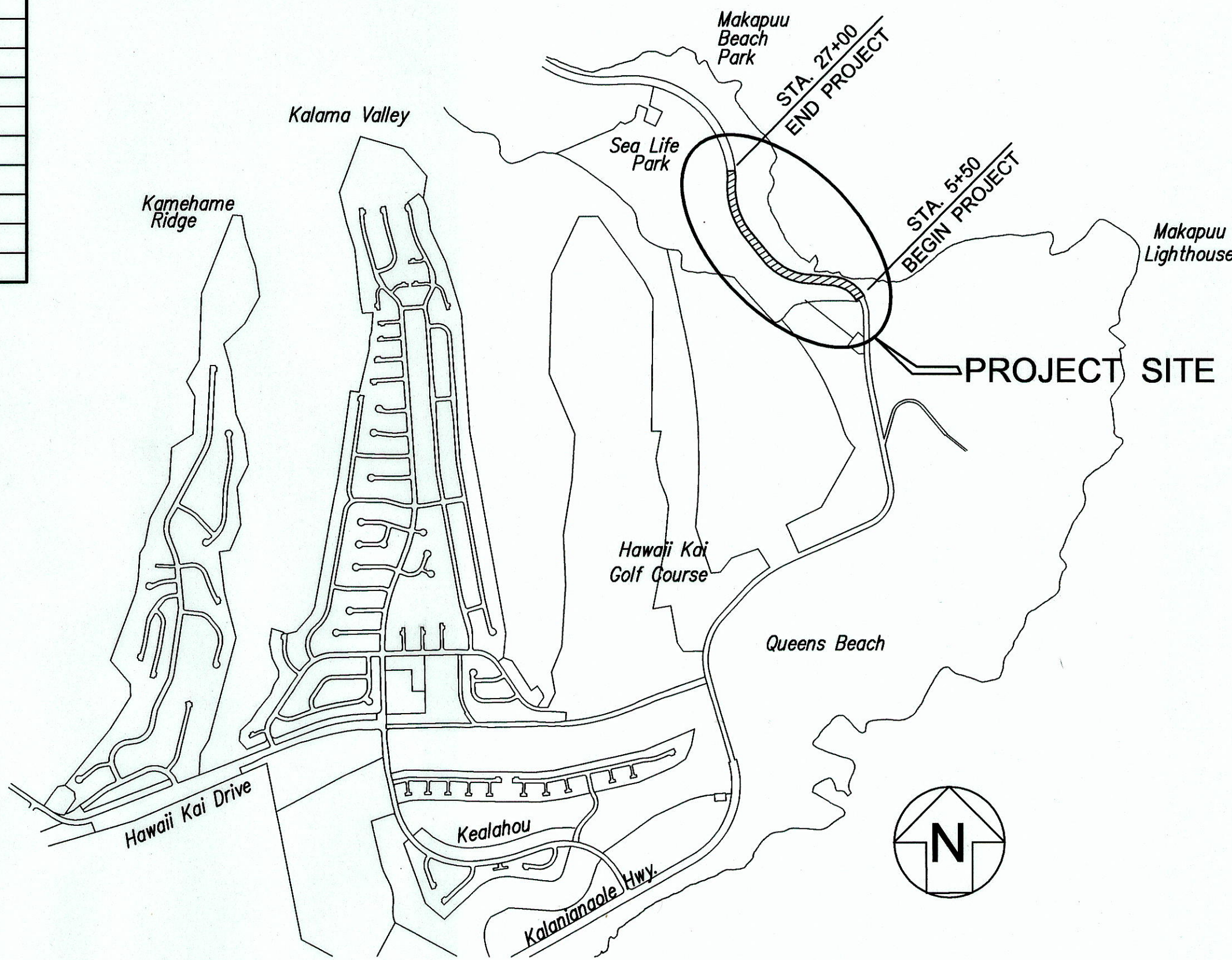
MANAGED BY  
HWY-DS

PHONE  
692-7545

DATE  
APRIL 2007

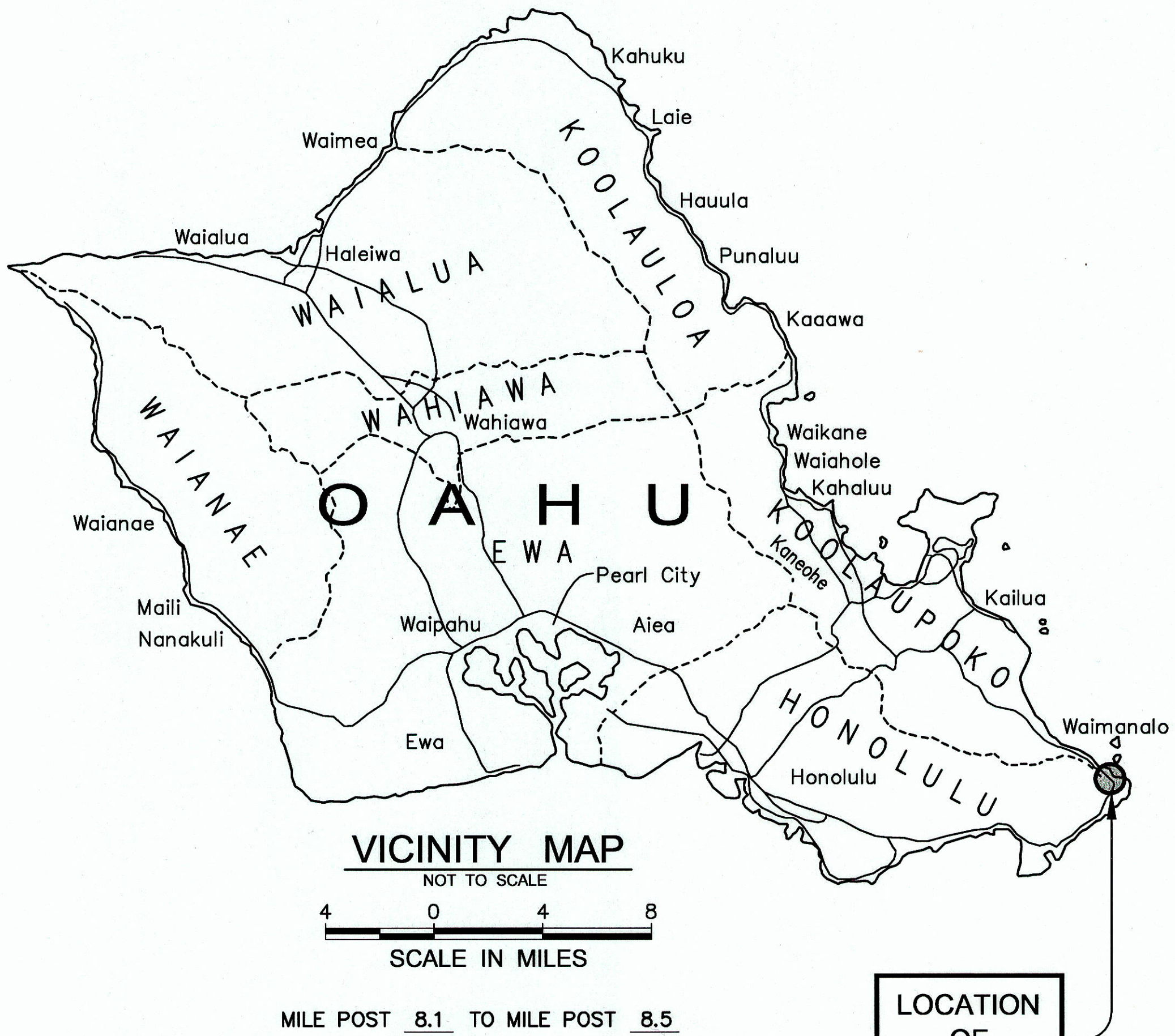
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STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
HONOLULU, HAWAII  
**"AS-BUILT"**  
PLANS FOR  
**KALANIANA'OLE HIGHWAY IMPROVEMENTS**  
RETAINING WALL AT MAKAPUU, OAHU  
FEDERAL-AID PROJECT NO. NH-072-1(51)  
DISTRICT OF KOOLAUPOKO  
ISLAND OF OAHU



GROSS LENGTH OF PROJECT - 2,150 FEET  
**LOCATION PLAN**  
SCALE IN THOUSAND FEET

CHANGES MADE DURING CONSTRUCTION HAVE BEEN INCORPORATED ON THESE PLANS EXCEPT CHANGES IN THE ORIGINAL THEORETICAL QUANTITIES. FOR ACTUAL QUANTITIES, REFER TO PROJECT LEDGER AND/OR COMPUTATION BOOK.  
RESIDENT ENGINEER  
DATE 12/6/13



DESIGN DESIGNATION	
Current ADT	10,800
Design ADT (2026)	11,900
DHV	1,010
Design K	8.5
Design D	55/45
Design T	5.0 %
T24	5.5 %
V	40 MPH

DEPARTMENT OF TRANSPORTATION  
STATE OF HAWAII  
APPROVED:  
DIR. OF TRANSPORTATION  
DATE 8-7-07

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-1(51)	2007	1	106

